

**CLAIMS**

1. An instrument for periodontal treatment, comprising a blade (1) connected integrally to a head (2) intended to be coupled to a handpiece so as to impart to said blade (1) a vibratory movement, said blade (1) having, on one of the sides delimited by a plane passing through its axis, an active part (1a) distributed along the blade (1), characterized in that said blade (1) is additionally provided with an irrigation channel (4) for liquid arranged at its center, this channel (4) opening out at the center of the active part (1a) of said blade (1) along the major part of its length, thus ensuring, on the one hand, cleaning of the active part (1a) of the tool during the procedure, and, on the other hand, removal of the detached particles.
- 15 2. The instrument for periodontal treatment as claimed in claim 1, characterized in that said blade (1) is provided with a plane (6) intersecting with said channel (4) and thus providing the opening (5) of the channel (4) on the active part (1a), and in that this plane of intersection (6) is inclined with respect to the axis and defines the active part of the blade on which is arranged, on each side of the opening of the channel, a plurality of notches (3) or any other similar configuration affording a surface roughness adequate for its use.
- 25 3. The instrument for periodontal treatment as claimed in claim 1 or 2, characterized in that the end of the blade (1) has a curvature.

30 4. The instrument for periodontal treatment as claimed in claim 1 or 2, characterized in that the end of the blade (1) is able to be curved by the practitioner.

5. The instrument for periodontal treatment as claimed

in any one of the preceding claims, characterized in that the blade (1) is mounted in an articulated manner on said head (2), for example by means of a hinge of the ball-and-socket type, thus affording the possibility of orienting the 5 position of the active part (1a) of the blade (1) with respect to the grip of the apparatus.

6. The instrument for periodontal treatment as claimed in any one of the preceding claims, characterized in that the end remote from the free part of said blade (1) is 10 provided with a means for detachable fixation to the head (2).

7. The instrument for periodontal treatment as claimed in claim 6, characterized in that the means for detachable fixation of the blade (1) comprises a bushing (7) which can 15 be maneuvered in particular by the practitioner and on which the blade (1) is connected integrally, and in that this bushing (7) is additionally provided with an annular groove (8) which, in the mounted position on said head (2), forms a leaktight annular chamber (9) ensuring communication between 20 the irrigation channel (4) of the blade (1) and a delivery channel (12) for liquid arranged on the head (2).

8. The instrument for periodontal treatment as claimed in any one of claims 1 through 5, characterized in that said head (2) is provided with a channel (12) for delivery of 25 liquid which is linked to the irrigation channel (4) of the blade (1).

9. The instrument for periodontal treatment as claimed in any one of the preceding claims, characterized in that the entry point of the liquid is external to the handpiece.

30 10. The instrument for periodontal treatment as claimed in any one of claims 1 through 8, characterized in that the entry point of the liquid is internal to the

handpiece.

11. The instrument for periodontal treatment as claimed in any one of the preceding claims, characterized in that it is disposable.